1. DevOps is approach that works to automate and integrate the processes between two teams and bringing two siloed teams (development and operation) to work together to share passion to achieve common goals. DevOps increases an organization's ability to evolve and improv products at a faster pace and bug free. If you have heard of AWS doing 1000+ releases per day and that is possible because of DevOps.

With legacy approach of software development, we use to take lots of time to build and release the application and development never use to understand infra and infra team never use to understand the code.

With DevOps we know how the code need to build with respect to infra or vice versa.

1. I started my DevOps career in the year 2014 with build and release team. In last 2 years I have been working on designing CI-CD pipelines, proposing solutions/designs to the customer with respect to Infra. Building serverless and microservices application. Develop faster and run anywhere with enterprise-ready containerized applications. Building scalable, and secure infrastructure.
2. I can show and explain during call but cannot share.
3. Kubernetes infra requirement
4. EKS or EKS with fargate based on requirement like NLB, deamonset and larger instance type.
5. Number of nodes and instance types required.
6. [resource requests and limits](https://www.replex.io/blog/5-ways-to-manage-your-kubernetes-resource-usage) for containers.
7. If custom VPC then list of VPC and subnets to be used.
8. ECR details if its from other account or same so that we can add policy to access ECR from other account. Making sure all the applications are containerized and available on ECR.
9. Type of CSI for storage like fsx, efs etc. if fsx do we need import and export settings. If yes, then make sure existing s3 has no policy set and no event created.
10. GitHub repo and branch details for CICD.
11. Ports needs to be enabled in SG for applications
12. Monitoring and logging
13. Overlay network in Kubernetes is “pod network” because it is an overlay network that allows pods to communicate back and forth on any node. AWS VPC CNI and Flannel have worked on.
14. A. create group for developer in IAM.

B. Attach read only access policy for RDS and add ARN of that rds.

C. Create user and add that use to group